

SUMMARY VITA – Gary Haywood McDonald, Ph.D., P.E.
UC Foundation Associate Professor

Years on the Faculty: 24 (original appointment 08/01/85)

Degrees:

Ph.D. in Engineering; Tennessee Technological University, Cookeville, Tennessee; August 1984

M.S. in M.E.; Tennessee Technological University, Cookeville, Tennessee; August 1979

B.S. in M.E.; Tennessee Technological University, Cookeville, Tennessee; June 1977 (with High Distinction)

Other Related Experience:

Department Head – Mechanical Engineering - 2009

Director of Freshman Engineering and Advising 2000-present.

1991, 1990, 1988, & 1987 NASA/ASEE Summer Faculty Fellow, George C. Marshall Space Flight Center

Principal Publications of the Last Five Years:

Attributes of a Modern Mechanical Engineering Laboratory, Charles V. Knight and Gary H. McDonald, *for the ASEE Instrumentation Division, Proceedings of the 2005 Annual Meeting of the American Society of Engineering Education*, Portland, Oregon, June 2005

Is the Effort Worthwhile? Charles V. Knight and Gary H. McDonald, *ASEE Proceedings of the 2005 Southeastern Section Meeting*, Chattanooga, TN, April 2005

Scientific and Professional Society Memberships:

ASEE, ASME, NSPE, Chattanooga Engineers Club

Honors and Awards:

Outstanding Engineering Faculty Award 2003, 1996, & 1992; *Cole Outstanding Engineering Teacher Award* September 2005, 1995, 1991, 1990 & 1989; *Norbert Koch Professional Service Award* - December 1993; *Engineering Student Service Award* December 1998; *UTC Outstanding Academic Advisor Award*, December 2004; *UC Foundation Professorship* May 1992, *UTC Student Government Association Outstanding Professor Award* - nominated by students and voted by the SGA for teaching excellence, awarded during UTC Honors Day, April 1992; *Young Engineer of the Year* - awarded by the Chattanooga area engineers at the Chattanooga area National Engineers Week, February 1989

Institutional Service in the Last Five Years (committee assignments, etc):

Significant University and Engineering service through committees such as University Honors, Instructional Excellence, Classroom Technology, Faculty Development & CECS Dean search committee

Professional Service in the Last Five Years:

Mathcounts – a National 7th & 8th grade math contest, *Order of the Engineer*– Coordinate the Chattanooga Link Order of the Engineer, *Co-Advisor to Tennessee Zeta Chapter of Tau Beta Pi*, President Elect to *UTC's Alpha Society*

Professional Development Activities in the Last Five Years:

Attended the ASEE Southeastern Meeting in Chattanooga, 2005